

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

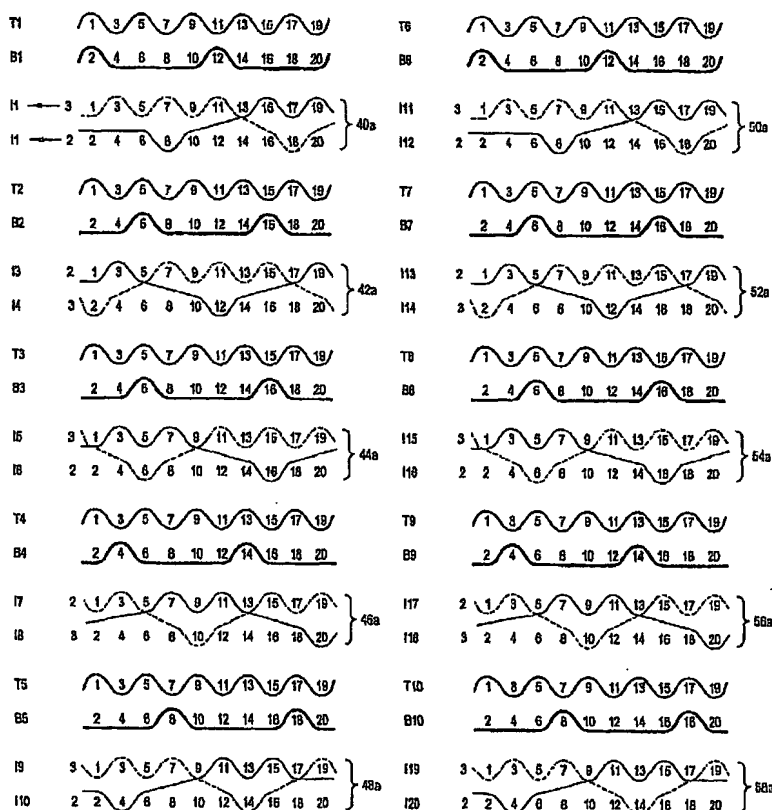
PCT

(10) International Publication Number
WO 2005/014926 A1

- (51) International Patent Classification⁷: **D21F 1/00**
- (21) International Application Number:
PCT/EP2004/050775
- (22) International Filing Date: 12 May 2004 (12.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0317248.3 24 July 2003 (24.07.2003) GB
- (71) Applicant (for all designated States except US): **VOITH
FABRICS PATENT GMBH** [DE/DE]; Sankt Poeltener
Strasse 43, 89522 Heidenheim (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **HAY, Stewart Lister**
[GB/GB]; 12 Heapworth Avenue, Ramsbottom Lancashire
BL0 9EH (GB).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PAPER MACHINE FABRIC



(57) Abstract: A paper machine fabric has a paper side warp layer and a machine side warp layer. The fabric comprises at least one set of paper side wefts interlaced with the paper side warps and at least one set of machine side wefts interlocked with the machine side warps. The fabric further comprises at least one pair of interchanging weft binders, the members of each weft binder pair together forming one continuous weft path on the paper side, each of said members of all of said weft binder pairs interweaving with at least one paper side warp and at least one machine side warp. At least one weft binder yarn of at least one binder pair interlocks in an unlocked position with at least one warp yarn of the machine side of the fabric.

WO 2005/014926 A1



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.